

In the Claims

Please amend the claims as follows:

Claim 1 (amended) A surgical tool for manipulating a joint-replacement cup, the tool comprising:

- a. a conduit having a head end, ~~and~~ a drive end, and exactly two bends between the head end and the drive end, the two bends being a first bend and a second bend, wherein the head end is adapted to removably attach to the cup; and
- b. a drive mechanism including a plurality of interlocking links extending through the conduit, the drive mechanism extending between the head end and the drive end and ~~the drive mechanism~~ rotating on a first axis at the head end and on a second axis on the drive end;
- c. wherein ~~at least~~ a portion of the drive mechanism between the first and second bends rotates on a third axis at a first angle with respect to the first axis and a second angle with respect to the second axis; and
- d. wherein the first and second axes are substantially parallel.

Claim 2 (original) The surgical tool of claim 1, wherein the first and second angles are substantially equal.

Claim 3 (canceled)

Claim 4 (original) The surgical tool of claim 1, wherein the cup comprises an acetabular reamer.

Claim 5 (canceled)

Claim 6 (original) The surgical tool of claim 1, wherein each of the links includes a male end and a female end.

Claim 7 (original) The surgical tool of claim 6, wherein the male end includes a plurality of exterior facets and the female end includes a plurality of interior facets.

Claim 8 (original) The surgical tool of claim 7, ~~wherein the exterior facets define a hexagon~~
further comprising a bushing disposed within the female end of a first of the links and
against the male end of a second of the links.

Claim 9 (original) The surgical tool of claim 7, wherein each link rotates along a link axis,
and wherein the male end has a radius of curvature in a plane parallel to the rotational
axis.

Claim 10 (original) The surgical tool of claim 9, wherein the female end has a second radius
of curvature in the plane.

Claim 11 (amended) ~~The surgical tool of claim 6, further comprising~~ A surgical tool for
manipulating a joint-replacement cup, the tool comprising:

- a. a conduit having a head end and a drive end, wherein the head end is adapted
to removably attach to the cup;
- b. a drive mechanism extending between the head end and the drive end, the
drive mechanism rotating on a first axis at the head end and on a second axis
on the drive end, wherein at least a portion of the drive mechanism rotates on
a third axis at a first angle with respect to the first axis and a second angle
with respect to the second axis;
- c. a plurality of interlocking links extending through the conduit, wherein each
of the links includes a male end and a female end; and
- d. a bushing disposed within the female end of a first of the links and against the
male end of a second of the links.

Claim 12 (amended) The surgical tool of claim 11, wherein the bushing bearing is spherical.

Claim 13 (original) The surgical tool of claim 1, wherein the acetabular cup is comprises a
reamer surface.

Claim 14 (original) The surgical tool of claim 1, wherein the head comprises a cup support receiving an acetabular cup.

Claim 15 (amended) A surgical tool for positioning a joint-replacement cup, the joint-replacement cup including a threaded hole having internal threads, the surgical tool comprising:

- a. a conduit having a head end and a drive end;
- b. a drive mechanism rotatably attached to the drive end of the conduit, the drive mechanism rotating on a first axis; and
- c. a head connected to the head end of the conduit, the head including:
 - i. a cup attachment supporting the cup; and
 - ii. a threaded attachment actuator having external threads and supporting an attach state and a release state, the attach state engaging the external threads of the actuator with the internal threads of the joint-replacement cup to secure securing the cup attachment to the cup and the release state releasing the cup;
 - iii. wherein the actuator support transitions between the attach and release states without rotating with respect to the conduit.

Claim 16 (original) The surgical tool of claim 15, wherein the attachment actuator includes first and second jaws extending into the hole.

Claim 17 (original) The surgical tool of claim 16, wherein the attachment actuator further includes a wedge extending between the first and second jaws, and wherein the attach state corresponds to a first wedge position and the release state corresponds to a second wedge position.

Claim 18 (amended) The surgical tool of claim 17, ~~wherein the hole comprises female threads, and~~ wherein the first and second jaws include partial threads that together form the external threads.

Claim 19 (amended) The surgical tool of claim 18, wherein the partial threads engage the ~~female~~ internal threads in the first wedge position and disengage the ~~female~~ internal threads in the second wedge position.

Claim 20 (original) The surgical tool of claim 15, wherein the conduit includes at least one bend between the head end and the drive end.

Claim 21 (original) The surgical tool of claim 15, further comprising a plurality of interlocking links extending through the conduit.

Claim 22 (original) The surgical tool of claim 15, wherein each of the links includes a male end and a female end.

Claim 23 (original) The surgical tool of claim 22, wherein the male end includes a plurality of exterior facets and the female end includes a plurality of interior facets.

Claim 24 (original) The surgical tool of claim 23, wherein the exterior facets define a hexagon.

Claim 25 (original) The surgical tool of claim 23, wherein each link rotates along a link axis, and wherein the male end has a radius of curvature in a plane parallel to the rotational axis.

Claim 26 (original) The surgical tool of claim 25, wherein the female end of each link has a second radius of curvature in the plane.

Claim 27 (original) The surgical tool of claim 26, further comprising a bearing disposed within the female end of a first of the links and the male end of a second of the links.

Claims 28-41 (canceled)